



VRLA Rechargeable Battery

EP7-12 (EP7-12FR)



Measures

Technology

Values

Innovation

FEATURES

- Absorbent Glass Mat technology for efficient gas recombination
- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed for heavy duty cyclic application
- Low self-discharge rate, lower than 3% capacity loss per month

APPLICATION

- UPS
- Toy-Cars
- Power Packs
- Fishing Lights
- Laboratory Equipment



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	7.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	2600g(5.73lbs.)
Terminals	T2(Faston Tab 250) T1 is optional
Internal Resistance	≤25mΩ (Fully Charged)
Max. Discharge Current	105 A (5 sec.)
Max. Charge Current	2.1 A
Operating Temperature Range	Charge : 0°C~40°C(32°F~104°F) Discharge : -20°C~50°C(-4°F~122°F) Storage. : -20°C~40°C(-4°F~104°F)
Container Material	ABS(UL94-HB, UL94-V0 is optional)

ISO 9001	
ISO14001	
UL	
CE	
<ul style="list-style-type: none"> ● IEC 61056-1 ● JIS C 8702-1 ● GB/T 19639.1 	

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

151±1.5 (5.94±0.06)

Width

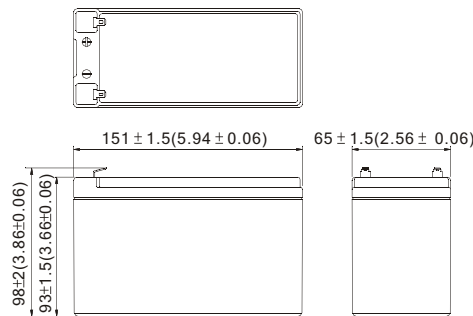
65±1.5 (2.56±0.06)

Container Height

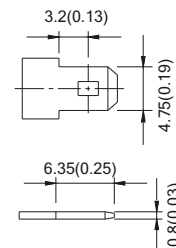
93±1.5 (3.66±0.06)

Total Height

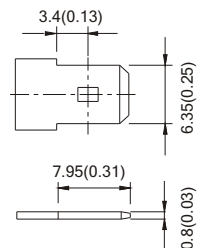
98±2.0 (3.86±0.08)



Terminal T1



Terminal T2



Constant power discharge characteristics at 25 °C/77 °F

Unit: W

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	228.0	171.4	138.8	83.50	48.40	20.40	14.10	7.86	4.11
1.75V	264.0	185.7	145.3	86.70	49.80	20.80	14.30	7.98	4.20
1.70V	280.0	192.4	149.7	88.60	50.70	21.00	14.40	8.02	4.22
1.65V	293.0	197.0	153.2	89.90	51.40	21.20	14.50	8.04	4.23
1.60V	302.0	200.9	156.2	90.80	51.90	21.30	14.50	8.04	4.23

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	20.54	15.09	12.07	7.076	4.067	1.700	1.175	0.655	0.343
1.75V	24.22	16.35	12.63	7.347	4.185	1.733	1.192	0.665	0.350
1.70V	25.69	16.94	13.02	7.508	4.261	1.750	1.200	0.668	0.352
1.65V	26.88	17.34	13.32	7.619	4.319	1.767	1.208	0.670	0.353
1.60V	27.71	17.68	13.58	7.695	4.361	1.775	1.208	0.670	0.353

All data shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.